

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1326660

Luminaire Tested: LDSQA3D09R40W2N902750DE010 3LSQCA30R 1MW\_3500K

Issue Date: 1/29/2026

**Test Information**

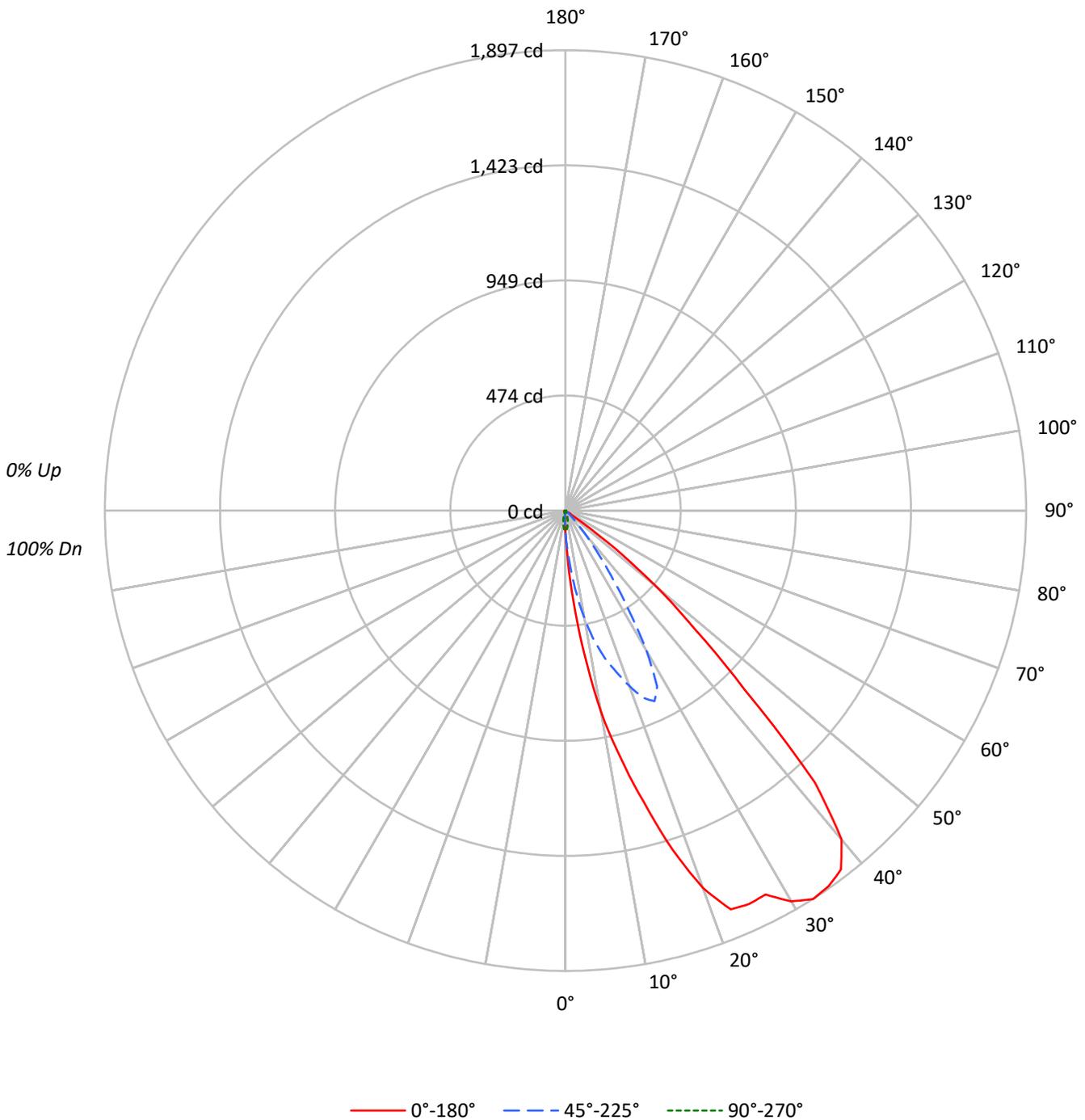
Test Method: LM-79-2019  
Report Number: P1326660  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-64)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R40W2N902750DE010 3LSQCA30R 1MW\_3500K  
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 3500K CCT AND, 90CRI ,  
3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 700.0 lumens  
Efficiency: N/A  
Efficacy: 77.8 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.42 / 1.24  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	96	94	93	91
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	89	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	82	79	76	74
4	92	83	77	71	90	82	76	71	80	74	70	78	73	69	76	72	68	76	72	68	67
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	70	65	62	60
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	60	56	64	60	56	54
7	75	64	57	52	74	63	56	51	62	56	51	61	55	51	59	54	51	59	54	51	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	55	50	46	44
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	51	46	42	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	47	42	38	37

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	14260	14260	14260	14260	14260
5°	64329	41007	12793	4910	3579
10°	147546	79255	9006	1766	1347
15°	221410	112453	5599	945	838
20°	303174	140957	3244	550	641
25°	339863	164696	1691	456	570
30°	369671	132942	696	358	597
35°	397300	68035	252	505	736
40°	397438	27136	135	540	922
45°	253765	9085	292	852	1291
50°	131715	1099	482	1099	1581
55°	11380	180	540	1411	1952
60°	413	207	620	1619	2239
65°	489	245	978	1671	2404
70°	302	302	1209	1762	2367
75°	399	399	1198	1996	2728
80°	595	595	1785	1785	2380
85°	0	1186	3557	2371	2371

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 253765 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.1	2.3
10°-20°	94.7	13.5
20°-30°	207.5	29.6
30°-40°	236.4	33.8
40°-50°	124.7	17.8
50°-60°	14.7	2.1
60°-70°	2.7	0.4
70°-80°	2.2	0.3
80°-90°	1.0	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	318.4	45.5
0°-40°	554.8	79.2
0°-60°	694.2	99.2
0°-90°	700.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	700.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	83	83	83	83	83	
5°	372	237	74	28	21	50
15°	1242	631	31	5	5	366
25°	1788	867	9	2	3	824
35°	1890	324	1	2	4	1171
45°	1042	37	1	4	5	840
55°	38	1	2	5	6	118
65°	1	1	2	4	6	1
75°	1	1	2	3	4	1
85°	0	1	2	1	1	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
2.5°	184.6	184.6	184.0	178.7	178.1	177.5	168.0	165.7	154.4	146.7	111.8
5°	372.1	363.9	363.3	353.8	337.8	316.5	302.9	281.0	259.7	237.2	137.8
7.5°	592.8	599.9	580.4	570.3	534.8	509.4	470.3	436.0	388.1	343.1	159.1
10°	843.7	831.2	811.7	792.2	753.7	708.2	650.2	589.3	520.0	453.2	171.0
12.5°	1039.5	1023.5	1011.7	985.1	947.2	888.6	819.4	737.8	646.1	549.6	170.4
15°	1241.8	1225.9	1199.2	1175.6	1119.4	1053.7	978.6	870.9	758.5	630.7	158.0
17.5°	1464.3	1443.6	1414.0	1377.9	1323.5	1250.7	1155.4	1024.1	865.0	696.9	135.5
20°	1654.2	1641.8	1612.2	1569.6	1516.3	1445.3	1335.3	1189.8	995.7	769.1	107.7
22.5°	1778.4	1767.2	1747.1	1709.8	1669.6	1593.8	1493.3	1333.5	1105.2	834.8	81.6
25°	1788.5	1783.8	1778.4	1766.0	1741.8	1687.9	1589.7	1417.5	1173.2	866.7	60.3
27.5°	1783.2	1781.4	1780.2	1773.7	1757.7	1704.5	1603.9	1430.0	1164.3	817.0	44.4
30°	1858.9	1853.6	1850.6	1829.3	1787.3	1705.1	1573.7	1363.1	1034.8	668.5	31.9
32.5°	1897.3	1896.2	1893.2	1872.5	1813.3	1706.3	1522.8	1201.6	820.6	482.8	21.9
35°	1889.7	1883.7	1873.1	1834.6	1752.4	1618.1	1358.4	959.6	592.2	323.6	14.2
37.5°	1863.6	1850.0	1829.3	1760.1	1650.6	1467.2	1101.6	706.4	402.9	209.4	8.3
40°	1767.8	1749.4	1716.9	1632.3	1488.5	1209.3	814.7	477.4	264.5	120.7	2.4
42.5°	1519.9	1496.2	1472.6	1377.9	1213.4	901.6	536.0	295.2	150.9	66.3	0.6
45°	1041.9	1012.3	979.7	911.1	779.2	546.1	318.9	166.2	78.1	37.3	0.6
47.5°	723.6	710.0	653.2	565.6	433.7	289.3	165.1	81.6	41.4	17.2	0.6
50°	491.6	476.3	410.0	325.4	230.7	138.4	75.7	40.8	18.3	4.1	0.6
52.5°	257.9	239.0	197.0	150.3	93.5	58.0	33.1	17.7	5.3	0.6	0.6
55°	37.9	34.9	28.4	23.1	20.7	16.0	9.5	4.1	0.6	0.6	1.2
57.5°	1.2	1.2	1.2	1.2	1.8	1.8	1.2	0.6	0.6	0.6	1.2
60°	1.2	1.2	1.2	1.2	1.2	0.6	0.6	0.6	0.6	0.6	1.2
62.5°	1.2	1.2	1.2	1.2	1.2	0.6	0.6	0.6	0.6	0.6	1.2
65°	1.2	1.2	1.2	1.2	1.2	0.6	0.6	0.6	0.6	0.6	1.2
67.5°	1.2	1.2	1.2	1.2	0.6	0.6	0.6	0.6	0.6	1.2	1.8
70°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.8
72.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.8
75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.8
77.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.8
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	1.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	112.5°	135°	157.5°	180°
0°	82.8	82.8	82.8	82.8	82.8
2.5°	81.6	60.3	46.7	40.2	39.6
5°	74.0	43.2	28.4	21.9	20.7
7.5°	62.7	30.2	16.6	11.8	11.2
10°	51.5	20.7	10.1	8.3	7.7
12.5°	40.8	13.6	7.1	6.5	5.9
15°	31.4	8.9	5.3	4.7	4.7
17.5°	23.7	5.9	4.1	4.1	4.1
20°	17.7	4.1	3.0	3.5	3.5
22.5°	12.4	3.0	2.4	3.0	3.0
25°	8.9	2.4	2.4	3.0	3.0
27.5°	5.9	1.8	1.8	2.4	3.0
30°	3.5	1.2	1.8	2.4	3.0
32.5°	1.8	1.2	1.8	3.0	3.0
35°	1.2	1.8	2.4	3.0	3.5
37.5°	0.6	1.8	2.4	3.5	3.5
40°	0.6	1.8	2.4	3.5	4.1
42.5°	1.2	2.4	3.0	4.1	4.7
45°	1.2	2.4	3.5	4.7	5.3
47.5°	1.2	2.4	4.1	5.3	5.3
50°	1.8	3.0	4.1	5.3	5.9
52.5°	1.8	3.0	4.1	5.9	6.5
55°	1.8	3.0	4.7	5.9	6.5
57.5°	1.8	3.5	4.7	5.9	6.5
60°	1.8	3.0	4.7	5.9	6.5
62.5°	2.4	3.0	4.1	5.9	5.9
65°	2.4	3.0	4.1	5.9	5.9
67.5°	2.4	3.0	4.1	5.3	5.3
70°	2.4	3.0	3.5	4.7	4.7
72.5°	2.4	3.0	3.5	4.1	4.7
75°	1.8	2.4	3.0	3.5	4.1
77.5°	1.8	2.4	2.4	3.5	3.5
80°	1.8	1.8	1.8	2.4	2.4
82.5°	1.8	1.8	1.2	1.8	1.8
85°	1.8	1.2	1.2	1.2	1.2
87.5°	1.2	1.2	0.6	0.6	0.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)